

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of  
Kengo AKIMOTO et al.  
Application No.: 09/530,260  
Filed: July 12, 2000



Group Art Unit: 1613

Examiner: Unassigned

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For: **PROCESS FOR PRODUCING  
ARACHIDONIC ACID-CONTAINING  
LIPID AND DIHOMO-GAMMA-  
LINOLENIC ACID-CONTAINING  
LIPID**

**INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$240.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e), a petition requesting consideration of the information disclosure statement, and the petition fee of \$130.00 (122) as set forth in 37 C.F.R. § 1.17(i) are also enclosed.
- ☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

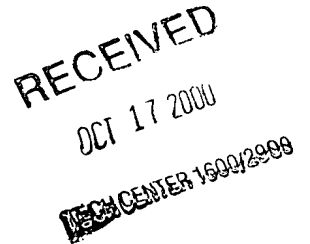
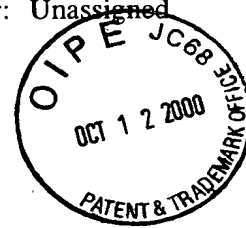
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Registration No. 40,373

Date: October 12, 2000

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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. A copy of the International Search Report is also enclosed.

**U.S. PATENTS**

1. Akimoto et al., U.S. Patent No. 4,916,066, issued April 10, 1990.
2. Barclay, U.S. Patent No. 5,583,019, issued December 10, 1996.
3. Nakajima et al., U.S. Patent No. 5,093,249, issued March 3, 1992.
4. Shinmen et al., U.S. Patent No. 5,204,250, issued April 20, 1993.

**FOREIGN PATENTS**

1. European Patent No. 0 535 940 A1, published April 7, 1993.
2. Japanese Patent No. 5-91887, published April 16, 1993 and English language abstract.

3. Japanese Patent No. 3-49688, published March 4, 1991 and English language abstract.
4. Japanese Patent No. 3-72892, published March 28, 1991 and English language abstract.
5. Japanese Patent No. 7-34752, published April 19, 1995 and English language abstract.
6. Japanese Patent No. 1-243992, published September 28, 1989 and English language abstract.
7. Japanese Patent No. 8-214893, published August 27, 1996 and English language abstract.
8. Japanese Patent No. 2-142486, published May 31, 1990 and English language abstract.
9. International Publication No. WO 96/21037, published July 11, 1996.
10. International Publication No. WO 98/39468, published September 11, 1998 with English language abstract.

#### OTHER DOCUMENTS

1. Carlson et al., Advances In Polyunsaturated Fatty Acid Research, Ed. Yasugi et al., Elsevier Science Publishers B.V., Amsterdam, pp. 261-264 (1993).
2. Carlson et al., *Proc. Natl. Acad. Sci. USA*, 90:1073-1077 (1993).
3. Lanting et al., *The Lancet*, 344:1319-1322 (1994).
4. Shinmen et al., *Applied Microbiology and Biotechnology*, 31:11-16 (1989).
5. Nagao et al., Industrial Applications of Single Cell Oils, Ed. Kyle et al., American Oil Chemists' Society, Champaign, Illinois, pp. 52-60 (1992).
6. Shimizu et al., *Biochemical and Biophysical Research Communications*, 150(1):335-341 (1988).

7. Shimizu et al., *Journal of the American Oil Chemists' Society*, 65(9):14-18 (1988).
8. Lindberg et al., *Applied Microbiology and Biotechnology*, 39(4-5):450-455 (1993).
9. Shimada et al., *Journal of the American Oil Chemists' Society*, 72(11):1323-1327 (1995).
10. Totani et al., *Ind. Appl. Single Cell Oils*, Ed. Kyle et al., American Oil Chemists Society, Champaign, Illinois, pp. 52-60 (1992).
11. Li et al., *The Canadian Journal of Chemical Engineering*, 73:135-139 (1995).
12. Shimada et al., *Journal of the American Oil Chemists' Society*, 75(9):1213-1217 (1998).

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The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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